

19990624.qrp v01_n498.qrl.990624

Date: Thu, 24 Jun 1999 19:03:33 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1498

QRP-L Digest 1498

Topics covered in this issue include:

- 1) [43386] Re: 2N2/40 Transformer Windings
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 2) [43387] Interesting power supply!
by "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
- 3) [43388] interesting soldering station!
by "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
- 4) [43389] power supplies..
by sergio <sruiz@bright.net>
- 5) [43390] Denny Payton, N9JXY
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 6) [43391] Antenna insulators?
by "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
- 7) [43392] Re: Another question from newbie + more ?
by K2UD@aol.com
- 8) [43393] Testing Coax Cables, Antennas, Noise Bridge and SPICE
by John R Kirby <n3aaz-qrp@juno.com>
- 9) [43394] Re: Another question from newbie
by Bruce Muscolino <w6toy@erols.com>
- 10) [43395] oops!
by "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
- 11) [43396] Re: new callsign
by K2UD@aol.com
- 12) [43397] Rare Kantronics Receiver
by Bruce Muscolino <w6toy@erols.com>
- 13) [43398] Re: interesting soldering station!
by Bruce Muscolino <w6toy@erols.com>
- 14) [43399] Inappropriate Messages
by "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
- 15) [43400] Re: QRP Baluns
by "Harry Hurst" <hhurst@delaware.infi.net>
- 16) [43401] Re: Another question from newbie + more ?
by RangerSF5@aol.com
- 17) [43402] Re: oops!
by kew@teleport.com (Keith)
- 18) [43403] RE: power supplies..
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 19) [43404] Re: Subject: [43297] Solar

- by Tom Randall <trandall@idsi.net>
- 20) [43405] Need help Red Hot Rig
by RangerSF5@aol.com
- 21) [43406] QRP in CANADA DAY CONTEST July 1
by VE3JC - John C <jbcumming@wwdc.com>
- 22) [43407] QRP baluns
by Joseph Trombino Jr <joebarb@wilmington.net>
- 23) [43408] Re: Inappropriate Messages
by Bob Hightower <ki7mn@extremezone.com>
- 24) [43409] Re: Rare Kantronics Receiver
by Norm Melick <henmel@worldnet.att.net>
- 25) [43410] almost there!
by sergio <sruiz@bright.net>
- 26) [43411] FD AC power safety
by "rohre" <rohre@arlut.utexas.edu>
- 27) [43412] Need Experienced Recommendation
by Fred J Kalt <w2xn@juno.com>
- 28) [43413] Re: Portable ops
by Jay Freeman <jayFreem@direcpc.com>
- 29) [43414] PORCELAIN KNIFE SWITCHES
by "George F. Allgood" <k4pym@carol.net>
- 30) [43415] Re: "Killer" antenna in QST
by "Jim Stafford, W4Q0" <w4qo@amsat.org>
- 31) [43416] Re: QRP baluns
by "Jim Stafford, W4Q0" <w4qo@amsat.org>
- 32) [43417] Re: PORCELAIN KNIFE SWITCHES
by "Radman" <radman@best.com>
- 33) [43418] Solar update for FD #2
by "Paul Harden, NA5N" <na5n@rt66.com>
- 34) [43419] FS/TRADE: "The Milliwatt" - Almost Complete Set
by VE3JC - John C <jbcumming@wwdc.com>
- 35) [43420] Carolina Windom Question
by aweiss@usd.edu (Ade Weiss W0RSP)
- 36) [43421] W/R antenna Pictures
by hamjoel@juno.com
- 37) [43422] QRP baluns revisited...
by "Radman" <radman@best.com>
- 38) [43423] Re: Rare Kantronics Receiver
by Pete Burbank <plburbank@kih.net>
- 39) [43424] BROADBAND COAX FED DIPOLE
by ARDUJENSKI@aol.com
- 40) [43425] RS12/13
by Bob Patten <n4bp@bc.seflin.org>
- 41) [43426] Re: BROADBAND COAX FED DIPOLE
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 42) [43427] Re: QRP baluns revisited...
by Michael Maiorana <mikemo@ibm.net>
- 43) [43428] BNC, rubber duck, CB/11-meter?

by Philip Karras <ke3fl@yahoo.com>
44) [43429] RE: RS12/13
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
45) [43430] While we're on the subject...
by Bob Hightower <ki7mn@extremezone.com>
46) [43431] Tuna Tin 2 - last call from West Coast before QRT
by W1RFI@aol.com
47) [43432] NorCal 40A in Europe
by "David Bixler" <DBIXLER@hs.seneca.k12.mo.us>
48) [43433] Re: While we're on the subject...
by Dave Sjolin <sjolin@swbell.net>
49) [43434] Re: While we're on the subject...
by Bob Scott <w4fpj@doubled.com>
50) [43435] Re: While we're on the subject...
by John Evans - N0HJ <jaevas@codenet.net>
51) [43436] WTD: NorCal K8FF Paddle kit
by Stanley Wilson <microres@crl.com>
52) [43437] Re: While we're on the subject...
by Chris Trask <ctrask@primenet.com>
53) [43438] SEARCH ENGINE SITE
by ARDUJENSKI@aol.com
54) [43439] Re: While we're on the subject...
by jim seeber <kw3u@warwick.net>
55) [43440] NC20 & FD
by N7RI@aol.com
56) [43441] Re: NC20 & FD
by John Evans - N0HJ <jaevas@codenet.net>
57) [43442] RE: Best Offer/etc.
by "Ed Tanton" <n4xy@att.net>
58) [43443] RE: Cheap Z(unknown) Coax - Fleamarket
by aweiss@usd.edu (Ade Weiss W0RSP)
59) [43444] Re: Best Offer/etc.
by Bruce Kizerian <kizerian@ced.utah.edu>
60) [43445] QRP ARCI Awards Reminder
by radioham@erols.com
61) [43446] N7XJ Joins The ARS Sojourner
by Richard Fisher <ki6sn@yahoo.com>
62) [43447] HyGain DX-77 more ???
by "Ed Tanton" <n4xy@att.net>
63) [43448] Re: Inappropriate Messages
by "Nathan Gordon" <nathang@bigfoot.com>
64) [43449] Re: Best Offer/etc.
by Brian Short <bshort@speedchoice.com>
65) [43450] laptop pwr supply
by Tim <drboom@bright.net>
66) [43451] Info needed on HM9 QRP SWR meter
by "Mike Czuhajewski" <wa8mcq@erols.com>
67) [43452] San Fernando Valley(CA) ARC, W6SD

- by Marv Fagenson <k6hcj@juno.com>
- 68) [43453] NC 20 in LA/Org counties
by Marv Fagenson <k6hcj@juno.com>
- 69) [43454] PCB CAD pgm (Not QRL exactly, but could be.)
by "Lynn Geitgey" <lgeitgey@kumc.edu>
- 70) [43455] Inquiry about Mexican ham license
by FrConrad@aol.com
- 71) [43456] Re: Best Offer/etc.
by "Dan Hogan" <dhhogan@nav.cnchost.com>
- 72) [43457] 20W linear, more kits a go
by "Steven Weber" <kd1jv@moose.ncia.net>
- 73) [43458] Re: The Bencher "Mercury" Paddle at Dayton
by "Chuck Adams K5FO" <adams@ticnet.com>
- 74) [43459] Radio Operator's coloring book
by Ed Loranger <we6w@qsl.net>
- 75) [43460] Re: laptop pwr supply
by "George T. Baker" <w5yr@swbell.net>
- 76) [43461] RE: Laptop Pwr Supply
by Tim <drboom@bright.net>
- 77) [43462] F/S Items on QRP-L
by "Chuck Adams K5FO" <adams@ticnet.com>
- 78) [43463] Re: While we're on the subject...
by "Mark A. Andrews" <KE4IOF@HiWAAY.net>
- 79) [43464] RS12/13
by Bob Patten <n4bp@bc.seflin.org>
- 80) [43465] Curcuit Design Problem for FD!
by Dan Hanson KQ6YI <kq6yi@hotmail.com>
- 81) [43466] RE: Laptop Battery
by Jeff Grudin <grudin@pacific.vdbs.com>
- 82) [43467] Pixie 2 & Archives
by Jim Ek <JIM-EK@worldnet.att.net>
- 83) [43468] Inverters and Laptops
by "W. K. Hibbert" <wb2vuo@juno.com>
- 84) [43469] Third Place
by "Chuck Adams K5FO" <adams@ticnet.com>
- 85) [43470] Re: The Bencher "Mercury" Paddle at Dayton
by Goemans <jgoemans@facstaff.wisc.edu>

Date: Wed, 23 Jun 1999 19:24:03 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: wa9flx@primary.net
Cc: qrp-l@lehigh.edu
Subject: [43386] Re: 2N2/40 Transformer Windings
Message-ID: <3.0.1.32.19990623192403.00ee3c24@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 11:17 AM 6/22/99 -0500, Dick, WA9FLX wrote:

>Hi Jim:

Hi Dick....thanks for the e-mail and sorry it took so long to get back to you. It's been crazy around here, since getting back from HamCom. Must be the phase of the moon or something.

>

>The primary and secondary windings (except bifilar and trifilar) are
>illustrated to be wound in opposite directions--Is this correct?

>Are the illustrations for the transformers correct in Paul Harden's QRPP
>drawings?

Well to my eye, the illustrations are correct, that is, the secondary is wound in the same direction as the primary. But, the designators on the secondaries are backwards i.e. pin 3 should be pin 4, and pin 4 should be pin 3. The way that I wound the original transformers was to wind a primary, with the start labelled 1 and the finish labelled 2. I would then wind the secondary, continuing to wind in the same manner as the primary, continuing around the toroid. The start of the secondary was then pin 3, and the finish pin 4. The schematics show the proper hookup. For instance with transformer T1, pin 1 would be the input on the primary side, pin 2 grounded, pin 3, the start of the secondary grounded, and pin 4, the output on the secondary side. Winding the transformer that way allowed me to actually make pin 2 and pin 3 just a tap that goes to ground, with the input coming into pin 1 and the output going out on pin 4.

Hope that is a clear explanation and sorry for the confusion.

72 and happy building.....Jim, K8IQY

Date: Wed, 23 Jun 1999 23:42:36 +0100
From: "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
To: Qrp-l Posts <qrp-l@lehigh.edu>
Subject: [43387] Interesting power supply!
Message-ID: <377162DC.F511E1AA@mailhost.det.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks

It was reported here that B.G. Micro had a power supply (switching) for \$6.95 (\$7) bucks. I bought one!

It is a DELL and says 2.3 amps but looks like it could produce twice that much!

Advertised at 16 volts but has a little white pot inside that you can turn the voltage down to 14.4 under NO LOAD and with a lot of my junk running, 14.07 volts at around 400 Ma. With the key down and 5 watts out 1400 Ma and the voltage drops to 13.7 volts. I have NOT cut the long cord back (about 6') or increased it gauge. Did cut off the plug though! Red wire is positive (hot) and white is negative. There is a green wire that may be a sense wire but without a schematic I did not connect it to the positive wire.

Too get inside and get at the white pot that is on the output wire end of the guts, use a dental pick or something like that to pull off the rubber feet! Screws under them! And there is a hidden round rubber in the middle of the bottom with another screw under there! The thing is a wee bit big at 3"H X 4" W X 9"L ! Weighs 2.5 lb.!

B. G. Micro is at

<http://www.bgmicro.com/>

on page 8 of there catalog PWR1059

Takes 120 or 220 input

While you are there, check out the cooee-cutters (PLATO MODEL 170 shears) 4, yes, 4 cutters, used ones for \$5.95 and they look like new to me! Some table marks on the handles but the cutting edges are like new.

Walt k8cv

Date: Wed, 23 Jun 1999 23:36:49 +0100
From: "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
To: Qrp-l Posts <qrp-l@lehigh.edu>
Subject: [43388] interesting soldering station!
Message-ID: <37716181.9054D12D@mailhost.det.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Folks

Another BARGAIN

Olive Drab in a metal box, Yes, it really is!

But it is a genuine WELLER ! With \$80 dollars of spare tips (16 of them)

>From FAIR RADIO for \$69.50 plus postage.

Called WTCPK unused 115 ac and pencil is tcp-24g 48 W

Walt k8cv

Date: Wed, 23 Jun 1999 19:43:56 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43389] power supplies..
Message-ID: <3771713C.13B16C7F@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

well, i read that link that was i sent to the list, and tried it with a power supply i had laying around the house, and it does work!

the problem that i ran into with mine was that i had to have a 25w load accross the 5 volt (+) output in order to get the supply to come up when i put power to it..

i used three ten watt 1 ohm resistors in series, but they got super hot! does anyone have any idea what else i might try as a load?

if i get the time, i will round some of these orphan supplies up, and offer them to the list for the price of shipping again, but it might not be for a week or so...

--

peace,
sergio
<http://www.bright.net/~sruiz> - "the village buzz"
"quoting other people is really lame and unoriginal..." -sergio

Date: Wed, 23 Jun 1999 19:45:55 -0400
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>
To: qrp-l@lehigh.edu
Subject: [43390] Denny Payton, N9JXY
Message-ID: <3.0.1.32.19990623194555.00efdd54@mail49.cwix.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Sorry to use this method, but Denny Payton, N9JXY
sent me an e-mail and the answer keeps bouncing,
due to delivery problems.

Denny....send me another e-mail with a good return
e-mail address and I'll answer your questions.

Thanks to all.....Jim, K8IQY

Date: Wed, 23 Jun 1999 23:52:47 +0100
From: "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
To: Qrp-l Posts <qrp-l@lehigh.edu>
Subject: [43391] Antenna insulators?
Message-ID: <3771653F.E843D5C1@mailhost.det.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Use a button, no , not a brass one, a BONE ONE

Date: Wed, 23 Jun 1999 19:59:56 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [43392] Re: Another question from newbie + more ?
Message-ID: <8319fcbf.24a2cefc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

You have the original W7EL Transceiver. I think CBS sold kits for different bands too. A good performer (especially for the bucks!) and many a QRPer cut their teeth on it. It was the basis, if not THE design for another rig that was offered (help me out here Roy) afterwards.

If you tire of it, let me know. I've been looking for one for some time. I failed to buy the kit when it was available. Came close to buying an unbuilt one a few years ago. It was gone quick.

Circuit Board Specialists is no longer with us. Shame, had some good stuff. Probably didn't make a whole lot of money, but he did provide a tremendous service for hams for some time.

72

Howard Kraus, K2UD

Date: Wed, 23 Jun 1999 20:02:18 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: mel@arachne4dos.freemove.co.uk, qrp-1@Lehigh.EDU
Subject: [43393] Testing Coax Cables, Antennas, Noise Bridge and SPICE
Message-ID: <19990623.200351.-185473.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mel and Group,

Re: Testing Coax Cables - and more

Yes, the TDR technique I am failure with uses a low voltage step recovery diode, but (from first hand experience) almost any TTL (74 X x x x series cable driver) at five volts Vcc will work too.

re: >try this,
>connect two cables together using BNC connectors
>short the far end and see what happens,
>now open the far end, wow!

To calibrate your system and get a feel for your "resolution"

(i.e. a "slower" step time and / or
a less than 30 MHz oscilloscope).

Use a BNC "T" to connect two long cables together,
connect the "TDR" (step pulse and scope are
connected in parallel at the near end of the first cable)
short the far end,
connect a very short cable (six inches or less)
ot the open end of the "T",
open the far end,
repeat this using shorter and shorter cables at the "T"
or longer
or short the "T" (while the long cables are connected)
or open the "T" (while the long cables are connected)
or terminate the "T" with different resistors,
on and on.....

Conclusion,
you do not need a super oscilloscope or
an elaborate step pulse in order to measure
some cable parameters
once you "calibrate" your "TDR"
(i.e. get a feel for how it works and
the resolution available with your setup).

WOW !

There is another neat and prim (quick and dirty)
very inexpensive instrument because
NO OSCILLOSCOPE IS REQUIRED
called a noise bridge
that allows the user
to measure the impedance of antennas
or other electrical stuff.
All you need is a receiver,
(and 10 MHz works just fine since most QRPers already own one)
a zener diode, a couple of 2n2222s, a ferrite toroid,
a variable cap, a variable resistor and
one IC (the "555", common as dirt).

I have a SPICE model running (that I will be glad to share),
and a toroid (wound) ready for evaluation.

John
N3AAZ
FM19xa

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 23 Jun 1999 20:01:05 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: wb1cdh@cwix.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43394] Re: Another question from newbie
Message-ID: <37717541.7D3B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Don, and gang,

The only things I would add for a casual day at the picnic table would be a multi-function tool and a small VOM. I carried a Swiss Army Knife, medium large size on my DXpeditions in Europe, and a small RCA Voltohmyst. These days I might substitute a Leatherman tool (multi-function pliers etc) and a cheap DVM.

73

Date: Thu, 24 Jun 1999 00:09:18 +0100
From: "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
To: Qrp-1 Posts <qrp-1@lehigh.edu>
Subject: [43395] oops!
Message-ID: <3771691E.72AAC631@mailhost.det.ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fair radio homepage

<http://alpha.wcoil.com/~fairradio/>

Phone 419-223-2196 or 227-6573 same area code

Walt k8cv

Date: Wed, 23 Jun 1999 20:06:48 EDT
From: K2UD@aol.com
To: qrp-l@lehigh.edu
Subject: [43396] Re: new callsign
Message-ID: <8014f629.24a2d098@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff,

How DARE you upgrade before the FCC relaxes the standards. After all, the ARRL claims that the hobby is stagnating now because the FCC has not acted on their request to reduce the standards posthaste!

Extra before the FCC makes changes? Oh it's just so, oh, un-League like. You are just not being a nice amateur. Help the hobby stagnate and put off that upgrade! You are dissappointing the amateur equipment industry and proving the League wrong!

Why get that Extra, so you can use more phone frequencies after the FCC re-farms the Novice sub-bands (read that, less CW frequencies)? Oh where is this hobby going to....

No flame suit, I'm already hot,

Howard Kraus, K2UD

Date: Wed, 23 Jun 1999 20:28:48 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@lehigh.edu
Subject: [43397] Rare Kantronics Receiver
Message-ID: <37717BC0.5D19@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys,

I have done business with Roy Lucchi in the past and find him to be a good guy. The issue of whether he should have posted an auction notice here or not is an issue of list rules. At the present time I don't think the list has a prohibition against it, maybe Chuck will want to

put one in though.

I personally can't see the difference between an auction notice and a posting that says I have one for sale. In either case your wallet should be the guide!

73

Date: Wed, 23 Jun 1999 20:39:37 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: waltk8cv@mpdr0.detroit.mi.ameritech.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43398] Re: interesting soldering station!
Message-ID: <37717E49.12E5@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'll echo Walt's comments, I've used one for three years now. Got my money's worth!

73

Date: Wed, 23 Jun 1999 17:44:01 -0700
From: "Samuel A. Falvo II" <kc5tja@dolphin.openprojects.net>
To: qrp-1@lehigh.edu
Subject: [43399] Inappropriate Messages
Message-ID: <19990623174338.A18832@dolphin.openprojects.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> Extra before the FCC makes changes? Oh it's just so, oh, un-League like.
> You are just not being a nice amateur. Help the hobby stagnate and put off
> that upgrade! You are disappointing the amateur equipment industry and
> proving the League wrong!

I'm sorry, but I did ***NOT*** subscribe to this mailing list to read such utter diatribe as this. Before you go spouting off at the keyboard, why don't you cool down a bit, eh?

> No flame suit, I'm already hot,

There's your problem. Had this been in jest, I wouldn't have responded.

But as you yourself admit, this message is in anger. Frankly, I think it's high time for you to post an apology to the list at large.

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13         |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

Date: Wed, 23 Jun 1999 20:37:03 -0400
From: "Harry Hurst" <hhurst@delaware.infi.net>
To: <n4elm@texoma.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43400] Re: QRP Baluns
Message-ID: <005001bebdd9\$ca4ab880\$020b010a@upstairs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gee, I've been making contacts using a coax fed dipole without a balun. Am I doing something illegal? Am I violating a law of physics? How much gain can I get from a balun????

I think the need for 1:1 baluns was created by the first guy to put them on the market. They're as necessary as S-meters.

72 de Hap, WA3PTG
Luddite Creep and Anti-Balun Crank
(I think I'll go take my pills now.)

>If I feel like I need to reduce the rf radiation from the coax feedline,
>I just wrap 6-10 turns of the coax into a ~4 inch coil up at the antenna
feed
>point.
>
>73 - Dave,
>N4ELM
>

Date: Wed, 23 Jun 1999 20:51:31 EDT
From: RangerSF5@aol.com
To: K2UD@aol.com, qrp-1@lehigh.edu
Subject: [43401] Re: Another question from newbie + more ?
Message-ID: <8319d03e.24a2db13@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 99-06-23 20:04:00 EDT, you write:

<<

Circuit Board Specialists is no longer with us. Shame, had some good stuff.

Probably didn't make a whole lot of money, but he did provide a tremendous service for hams for some time.

>>

I couldnt help but respond to you'r post about Circuit Board Specialist.
I dealt with them quite a bit and built the super-het RX they had.
Talk about winding coils,I had to wind those 4 IF cans with # 30 wire and one had two seconderies on it.
I later installed the small QRP TX that MFJ had at that time then up graded it with the VFO.
I think I had the only dual VFO 5 WATT QRP rig.
When I first built the RX,I really didn't expect to work as the board was tight and like the Red Hot Rig,everything was mounted vertical.
I put power to it and saw no smoke but no RX.
I played with the cans and started to hear some hiss and just about able to hear a carrier/birdie.
I peaked up on that and started tuning.
I HEARD CW.
Then I peaked and tweaked and that RX really came to life.
Building that rig made me feel like a real ham.
I had little knowledge of electronics and the only help I was able to get was from ARRL and C.B.S.
I was told that C.B.S. operated in back of a service station and they were taking calls.
The Son ran the shop for a while then gave it up.
Thats the way I got the story
Bob
WA2HOQrp <tm>

Date: Thu, 24 Jun 1999 00:57:18 GMT
From: kew@teleport.com (Keith)
To: waltk8cv@mpdr0.detroit.mi.ameritech.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43402] Re: oops!
Message-ID: <37718258.31196728@192.108.254.43>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Thu, 24 Jun 1999 00:09:18 +0100, you wrote:

>Fair radio homepage
>
><http://alpha.wcoil.com/~fairradio/>
>
>Phone 419-223-2196 or 227-6573 same area code
>
>Walt k8cv

The correct URL is :
<http://www.fairradio.com/>

--=20
Best Regards,

Keith

<http://www.teleport.com/~kew> www.teleport.com/~kew/ham_sw1_radio/

Protect your computer! Don't use MS Outlook Express or The MS Address =
book!

Pegasus Email is free <http://pmail.usa.com/>

Agent Email & News <http://www.forteinc.com/>

Don't use HTML in email the next virus spreader.

Date: Wed, 23 Jun 1999 21:00:14 -0400
From: "Alex Mendelsohn" <ai2q@ispchannel.com>
To: <sruiz@bright.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43403] RE: power supplies..
Message-ID: <000501bebddc\$eabc0d00\$5c32a7d0@mendelsohn.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Use automobile headlamps Sergio. They work great! And, you can use them to see what you're workin' on.

Seriously, I've also had to drill out riveted parts on some El Cheapo switchers and install extra heatsinks. I've also had to place wirewound power resistors on stiff wire "standoffs" to give them some breathing room and keep them from charring the pc board. But, you will find they're typically quite reliable.

Also, watch for a check from me for some pc board scrap, if that's still okay. (Thanks in advance OB).

Vy 73, AI2Q, Alex in Kennebunk, Maine

.-.-.

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> sergio

> Sent: Wednesday, June 23, 1999 7:44 PM

> To: Low Power Amateur Radio Discussion

> Subject: power supplies..

>

>

>

> well, i read that link that was i sent to the list, and tried it with a
> power supply i had laying around the house, and it does work!

>

> the problem that i ran into with mine was that i had to have a 25w load
> accross the 5 volt (+) output in order to get the supply to come up when
> i put power to it..

>

> i used three ten watt 1 ohm resistors in series, but they got super hot!
> does anyone have any idea what else i might try as a load?

>

> if i get the time, i will round some of these orphan supplies up, and
> offer them to the list for the price of shipping again, but it might not
> be for a week or so...

>

> --

> ---

> peace,

> sergio

> <http://www.bright.net/~sruiz> - "the village buzz"
> "quoting other people is really lame and unoriginal..." -sergio
>

Date: Wed, 23 Jun 1999 21:15:19 -0400
From: Tom Randall <trandall@idsi.net>
To: qrp-l@Lehigh.EDU
Subject: [43404] Re: Subject: [43297] Solar
Message-ID: <199906240115.VAA15315@pop.idsi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ron Wrote:

"I have a simple, probably real easy, question about solar panels. I am planning to charge our batteries with solar panels for FD. But I don't have my solar charger built yet.

Can I put the solar panel onto the deep cycle while we are operating? Should I put some type of in-line protection on the wires from the solar panel? Panels generate less than an amp at full sunlight."

Hi Ron,

I have a Unisolar US-5 panel I use with a Sun saver controller. If you use the panel direct to the battery put a blocking diode on the + lead and a fuse after it then hook it up. This is what the instructions for my new panel says. This is for a single panel connection. If you use a charge controller you can forget the diode as most have one built in. I'd get a good controller, most have load terminals with low voltage detection. Makes the whole process a no brainer!

At the very least use the fuse.

73,
Tom

Tom Randall -- trandall@idsi.net
Amateur Radio - KB2SMS
Mt. Beacon Amateur Radio Club / ARRL / 10-10 / QRP-L #1965
Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www1.mhv.net/~trandall/welcome.html>

Date: Wed, 23 Jun 1999 21:15:52 EDT
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [43405] Need help Red Hot Rig
Message-ID: <6000b4ed.24a2e0c8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,
I'm a bit confused about the T-1 and T-2 on page 14
T-1 has a 2 turn link(it's primary)while T-2 has a 4 turn link (it's
secondary.)
This is a dumb question to most of you but I thought a secondary was wound
over a primary and a LINK was wound on the same core but not on the primary
winding.
I know there are a few of you who are past this part.
Can anyone give me the info i'm looking for.
I'm over looking something or not reading something right.
Is the T-2 the secondary to the T-1?
Many thanks Guys/Gals
Bob
WA2HQrp <tm>

Date: Wed, 23 Jun 1999 21:51:52 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43406] QRP in CANADA DAY CONTEST July 1
Message-ID: <37718F38.B4750C1F@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I hope you'll all drop by to wish us a "happy birthday" during the
Canada Day Contest July 1 0000Z - 2359Z. The QRP class has had an
enthusiastic following since being reinstated in the RAC contests
several years ago. Be sure to take a look at Jim NA3V's article in the

April/99 QRP Quarterly to see why this contest can be so much fun,
regardless of which side of the "49th parallel" you live on!

Full contest rules can be found on the Radio Amateurs of Canada website
(<http://www.rac.ca/CANDAY.htm>). If you're operating cw, don't stay
glued to the typical qrp frequencies - activity will be spread around
(and you may find moderately more cw activity "on the half hour" when
some of the ssb crowd drop by). By all means, fire up the qrp ssb rig -
a great opportunity to test the rig on a variety of bands and
propagation paths.

If you're really enthusiastic, you may earn the Canada QRP award in a
single day (see <http://www.geocities.com/Colosseum/2572/QRP.html>)

And convenient software to track your progress can be downloaded at
<http://www.kw.igs.net/~pcassel/softwar.html#canaday>

See you July 1st!

		VE3JC John Cumming
Q		Delaware, ON CANADA
/\		jbcumming@wwdc.com
@` / ^-----+		hf qrp cw bicycle mobile
(*) \(*)		http://www.geocities.com/CapeCanaveral/Lab/7378/

Date: Wed, 23 Jun 1999 21:47:45 -0400
From: Joseph Trombino Jr <joebarb@wilmington.net>
To: QRP-L@LEHIGH.EDU
Subject: [43407] QRP baluns
Message-ID: <3.0.6.32.19990623214745.00821d50@wilmington.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Fellow QRP'ers:

I would like to thank the many good folks who responded to my query about
lightweight baluns for QRP use. Several worthwhile options were presented that I
will try out soonest.

With one exception, all responses were very positive and informative.....as
the listmeister might say, that's a pretty good signal to noise ratio:-)

Regards to all, Joe W2KJ

Date: Wed, 23 Jun 1999 19:01:09 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: kc5tja@dolphin.openprojects.net
Cc: qrp-1@lehigh.edu
Subject: [43408] Re: Inappropriate Messages
Message-ID: <199906240153.SAA15041@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:44 PM 6/23/99 -0700, you wrote:

>> Extra before the FCC makes changes? Oh it's just so, oh, un-League like.
>> You are just not being a nice amateur. Help the hobby stagnate and put
off
>> that upgrade! You are dissappointing the amateur equipment industry and
>> proving the League wrong!
>
>I'm sorry, but I did ***NOT*** subscribe to this mailing list to read such
>utter diatribe as this. Before you go spouting off at the keyboard, why
>don't you cool down a bit, eh?
>
>> No flame suit, I'm already hot,
>
>There's your problem. Had this been in jest, I wouldn't have responded.
>But as you yourself admit, this message is in anger. Frankly, I think it's
>high time for you to post an apology to the list at large.
>

Funny, I thought it WAS in jest!. Guess some folks take things too seriously.
72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Wed, 23 Jun 1999 19:19:01 -0700
From: Norm Melick <henmel@worldnet.att.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43409] Re: Rare Kantronics Receiver
Message-ID: <37719595.1E448022@worldnet.att.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce Muscolino wrote:

>
> Guys,
>
> I have done business with Roy Lucchi in the past and find him to be a
> good guy.

That isn't the issue, although I don't think a "good guy"
uses his "friends" for profit.

> The issue of whether he should have posted an auction notice
> here or not is an issue of list rules. At the present time I don't
> think the list has a prohibition against it, maybe Chuck will want to
> put one in though.

I vote we stop it, cold. I'm a big boy, I know how to
search the internet, and how to bid on Ebay. I don't need a
message directing me to the Ebay site, and inviting me to
enter a bidding war.

Been there, done that, bought the T-shirt.

> I personally can't see the difference between an auction notice and a
> posting that says I have one for sale. In either case your wallet
> should be the guide!

You're kidding me, right? He posted:

>Hi Guys;
>All you portable Qrp fellas might want to check this out, it's a very rare
>rcvr by Kantronics.
>Heres the URL with a picture>>

If you can't see the difference, I have a unbuil't 49'er I'll
sell you for \$20.00.

Norm Melick

Date: Wed, 23 Jun 1999 22:26:48 -0400
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [43410] almost there!
Message-ID: <37719768.3634B123@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

thanks to you fine people on the list, i have been donated a rig to get on the air! i won't mention who you are, in case you are bashful, but you guys are killer..

anyway..

i have enough in my fund to pick up two things that i need to finish up..

i think i got the power supply problem kicked with the revamped computer power supply, so i need:

a tuner and an swr meter..

i was told at one time that the tuner sold through dan's small parts was a good deal, so i wanna pick that up.. i thought, while i was at it, i might pick up their meter also. it is really cheap (on the order of \$15)..

i just wanted to ask what others thought about this combo..

i built the rainbow tuner, but for the life of me, i can't figure out how to get a half wave of wire out somewhere in my apartment without twists and turns galore..

i thought that i could string up a random wire in the attic, and use the tuner to dial it in..

maybe someone has some ideas as to how to set it up so that i can use the rainbow?

also, i don't have any of my references anymore.. they went the way of my old station.. so i have to ask a stupid question..

is there any lower limit on the length of a random wire antenna? i don't mean in feet, but in wavelengths..

also, i am scurrying to get ready to upgrade to advanced in july.. i am trying to get my guitar player to get his license at the same time.. wish him luck!

--

peace,
sergio

<http://www.bright.net/~sruiz> - "the village buzz"

"quoting other people is really lame and unoriginal..." -sergio

Date: 23 Jun 1999 21:56:33 -0500

From: "rohre" <rohre@arlut.utexas.edu>

To: qrp-l@lehigh.edu

Subject: [43411] FD AC power safety

Message-ID: <n1281947465.79420@msmailgw1.arlut.utexas.edu>

OK, Electricity 101: Most generators today have a post on the case for a ground wire which can be connected to a driven copper plated or copper rod. Also they have 3 prong, (USA I am talking about), 120 VAC outlets, where there is the U shaped pin for the green earth wire. That should go to the case screw as an ohmeter will show. Around here, we can only drive a rod about a foot due to rock outcrops at FD sites.

You do not externally ground a Neutral in generator AC power systems, (your utility does at home), but you do not want to add that outside whatever the generator manufacturer has done inside the generator. Instead, run 12-3 Romex cable, (black-hot, white-neutral, and green-safety earth ground), out to boxes, and use metal weather proof boxes. We found out the hard way one year when we had driving rain on a QRO field Day. It would be a good idea to use GFI outlets on your remote boxes, that way, any current between earth and your hot wires will trip out that outlet, such as a failure of a rig power to chassis case. Use 3 wire cords on the AC rigs (few if any today), or AC supplies. Most rigs do not have built in AC unless a tube type rig. Be careful with old rigs, and watch for AC-DC types, that have not transformer and one side of the AC tied by capacitor to the metal case.

Those are shock hazards! Old Hallicrafters S-38 receivers were notorious for biting like that!

We have 100 foot or 150 foot Romex UF cable runs out to metal outlet boxes mounted on conduit stands, which also have metal lighting sockets for outdoor (PAR) bulbs. The bases are large Coffee cans filled with concrete. These keep the outlets up out of ground water in case of rain. Weatherproof covers close over unused outlets.

Now that is only for the QRO station. Our bigger, other, station is QRP battery only, and has DC power for lighting and rigs. (Different group entry). On these we do not use an earth rod. The leads to battery are short, and we use balanced antennas. If a storm comes within miles, we are going to

disconnect the feed lines and throw them out of the tents, and head for our cars to wait it out. Wx here usually blows thru in a short time, if there are associated thunderboomers.

Have a safe FD!
Stuart K5KVH

Date: Wed, 23 Jun 1999 23:09:10 -0400
From: Fred J Kalt <w2xn@juno.com>
To: qrp-l@lehigh.edu
Subject: [43412] Need Experienced Recommendation
Message-ID: <19990623.230912.-859153.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

I am now ready to buy my first QRP rig and have narrowed it down to:

OHR-100A

or

Ten Tec 1340

I would like your recommendations as to which is easier to build, easier to align, and most reliable of the two.

Please respond directly to keep from cluttering up the reflector:

w2xn@juno.com

Thank you.

fred w2xn

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 23 Jun 1999 22:12:30 -0500

From: Jay Freeman <jayFreem@direcpc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43413] Re: Portable ops
Message-ID: <3771A21E.C3FFD663@direcpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy gang,

Well, my portable operation was a success. I made 8 contacts over 3 evenings. I got real lucky with the room. The window did open, I was on the 2nd floor, and I was directly across from a tree next to the restaurant next door. My antenna was about 35 feet of #30 magnet wire, with a 3/8 oz swivel sinker on the end that easily carried it over the tree. The sliding window clamped it in place, leaving about 25 feet of exposed horizontal wire, with some in the tree, and some in the room. I laid about 20 feet on the floor as a counterpoise. The ZM-2 tuned it up no sweat and the DSW-40 performed magnificently. To remain clandestine :), I tore down the station each night before retiring and coiled the feed end of my antenna up and tucked it into the corner of the window. Best dx, Buffalo, NY, shortest path, our own NC90, Skip, in Des Plaines a whopping 7 miles away! :) Tnx Skip for the nice QS0.

72/3,

Jay

--

* Jay Freeman - WT9S ARRL *
* G-QRP 10319 QRP-ARCI 9981 ARS 562 *
* SASS #18700 NRA Life *

Date: Wed, 23 Jun 1999 23:27:00 -0400
From: "George F. Allgood" <k4pym@carol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [43414] PORCELAIN KNIFE SWITCHES
Message-ID: <000301bebdf1\$8297b160\$a7cbeed0@204.116.183.2.carol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Practitioners of QRP,

I remember some years ago.....

You could buy at Kresge's store a porcelain based knife switch.

About six inches long and three inches wide. It had large copper contacts and the traditional double throw bar in the middle.

Well, Kresge's I believe was the fore-runner of what we know as K-Mart.

But they don't have any of these switches.

Only ones I've been able to find are much smaller, plastic versions that look mighty frail.

Anyone here know a source for these grand old knife switches?

I want a couple of them to switch antennas to ground system and switch between

QRP antenna systems.

George K4PYM

Walhalla, SC

Date: Wed, 23 Jun 1999 23:25:14 -0400

From: "Jim Stafford, W4QO" <w4qo@amsat.org>

To: QRP-L <qrp-l@lehigh.edu>

Subject: [43415] Re: "Killer" antenna in QST

Message-ID: <3771A519.449B6979@amsat.org>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Good discussion on elevated verticals. I have not used one, except for a GAP vertical at 9 feet above ground - altho in this case there are not radials, but insulated capacity hat laying on the ground - the antenna is fed at top. It is mounted on our club comm center (<http://www.america.net/~w4qo/matparc.html> see the public service pix) Oh -it works quite well.

Also, LB Cebik gave a "veritical" talk at Dayton/FDIM this year. He also spoke of the pros of elevated verticals. I think copies of all the talks are still available from Hank at the Toy Store button on the ARKIE site - below right.

--

Jim Stafford, W4QO 770-993-9500 VP - QRPARCI #6515
+++The THRILL is back - QRP - what ham radio is all about!
+++<http://www.qrparci.org>

Date: Thu, 24 Jun 1999 00:01:56 -0400
From: "Jim Stafford, W4QO" <w4qo@amsat.org>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [43416] Re: QRP baluns
Message-ID: <3771ADB3.54A7DF1A@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

One more thing - there was a nice piece in the January QQ in the Idea
Exchange called:
Miniature W2FMI Baluns--Not!, by N4LGH -

As a reference: http://www.qsl.net/wd8rif/qq_arci.htm#jan99

The article is not currently posted on the web(as far as I know), but
I'm thinking about it based on the interest.

--
Jim Stafford, W4QO 770-993-9500 VP - QRPARCI #6515
+++The THRILL is back - QRP - what ham radio is all about!
+++<http://www.qrparci.org>

Date: Wed, 23 Jun 1999 21:04:43 -0700
From: "Radman" <radman@best.com>
To: <k4pym@carol.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43417] Re: PORCELAIN KNIFE SWITCHES
Message-ID: <199906240402.VAA01581@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

George et al,

Check out "The Wireman" at URL:
<http://thewireman.com/ground.html>
Phone: 1-800-727- WIRE

Product #847: Knife switch: heavy duty double-pole
single-throw, porcelain base. Ideal for use between
balanced line lightning arrestor and station, completely
isolating the station during storms or while off the air.

Price: \$7.95.

GL es 72,

Conrad - NN6CW

Practitioners of QRP,

Anyone here know a source for these grand old knife
switches? I want a couple of them to switch antennas to
ground system and switch between QRP antenna systems.

George K4PYM
Walhalla, SC

Date: Wed, 23 Jun 1999 22:14:20 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Cc: cqclist@cqc.org
Subject: [43418] Solar update for FD #2
Message-ID: <Pine.SUN.4.10.9906232130570.9333-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
I said yesterday everything is great UNLESS something happens today or
tomorrow. Well, it did, and I feel like I jinxed the whole group!

There was an M-class flare today that was "geoeffective," meaning the
shock wave will likely hit the earth. However, it was only an M1 and
it's location, I believe, will cause the shock wave to just skim the

earth. If the face of the sun were a clock face, with the hour hand pointed at 10:00, today's M-class flare was located about 2/3rds the way from the center of the clock to the end of the hour hand. That puts it just barely inside the window of being "geoeffective." NOAA is predicting an A-index of 15 for Saturday as a result, which is in the "unsettled" category; the A-index for a minor storm is 39-56, so the effect will be minimal. Slightly elevated noise, and likely very little bursting type of static (the kind that can kill an FD exchange!). So I really don't think it will effect 80-40M much Saturday evening.

ALASKA ... while the arriving particles may not be sufficient to cause a geomagnetic disturbance, they could be trapped into our magnetic field, dumped into the polar regions and cause some enhanced absorption to HF signals in the upper latitudes. This will cause a slight attenuation (1-2dB) of signals, and several hours of wavering QSB as the charged particles stratify. I don't think it would last very long - a few hours after the shock wave hits us.

The associated CME was around 0700 UTC today (Wednesday). A fast shock wave takes about 48 hours to get here, or could hit Thursday night around midnight in North America. The average speed is about 55 hours, or could hit early to mid Friday morning. This is the good news, because by Saturday, the effects should be over with. So the key is to listen to WWV at 17 minutes past the hour for the K-index, which is updated every 3 hours; the A-index is the average for the whole UTC day. A K-index less than 3 means little effect is occurring. K>4 means conditions are getting rough.

Already, a couple of others have predicted some very rough conditions for Field Day as a result of today's flare. I don't think this is the case, and I hope by explaining the physics and timing behind it above, you can follow the logic that it shouldn't be that big of a deal.

However, we still have to get through tomorrow without any major flares, as that WOULD impact us on Saturday. Ouch! And the sunspot region that produced today's flare is growing in magnetic complexity, meaning it is capable of producing more flares over the next couple of days. I'll post an update tomorrow and Friday as well.

Excerpts of today's RSGA follows with explanation for those interested:

```
> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 174 ISSUED AT 2200Z ON 23 JUN 1999

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z
> TO 23/2100Z: SOLAR ACTIVITY WAS MODERATE. THE LARGEST EVENT WAS AN
> M1/2N FLARE AT 23/0709Z FROM REGION 8598 (N23E43). THIS FLARE WAS
> ACCOMPANIED BY A TYPE IV RADIO SWEEP AS WELL AS MULTI-FREQUENCY
```

> RADIO BURSTS.

As the shockwave travels through the sun's magnetic field, it produces radio emissions (the Type IV radio sweeps). This is just evidence that the flare did, indeed, produce a shock wave, and strong enough to escape the sun's fields (to perhaps hit the earth).

> REGION 8598, WHICH LIES WITHIN A LARGE CLUSTER OF
> REGIONS IN THE NORTHEAST QUADRANT OF THE DISK, IS THE LARGEST AND
> MOST MAGNETICALLY COMPLICATED SPOT GROUP ON THE DISK.

It is classified as a "beta group," meaning loops of magnetism leaves one sunspot and enters another. Dozens of these magnetic loops exists between the many sunspots. This is a classic indicator of probable flare activity in the near future.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW
> TO MODERATE. GROWTH AND MAGNETIC INTERACTION WITHIN THE LARGE
> NORTHEAST CLUSTER OF REGIONS INCREASES THE CHANCES OF M-CLASS FLARES
> OVER THE NEXT SEVERAL DAYS.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z:
> THE GEOMAGNETIC FIELD WAS QUIET THROUGHOUT THE PERIOD. RECENT
> ANALYSIS OF SOHO IMAGERY INDICATED THE PRESENCE OF A HALO CME
> ASSOCIATED WITH THE M1/1N FLARE ON 22/1829Z AND THE POSSIBILITY OF
> ANOTHER GEOEFFECTIVE CME WITH TODAY'S M1 FLARE.

It is today's M1 flare that is a concern to us right now.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE QUIET ON THE FIRST DAY OF THE FORECAST PERIOD. BY
> THE SECOND AND THIRD DAYS THE EFFECT OF THE OBSERVED CMES ARE
> FORECAST TO INCREASE THE FIELD TO UNSETTLED TO ACTIVE CONDITIONS
> WITH A CHANCE FOR MINOR STORMING.

> III. EVENT PROBABILITIES 24 JUN-26 JUN
> CLASS M 60/60/60 <---- a 60% chance of another M-class flare over
the next 3 days!
> PCAF GREEN <----- Polar cap absorption will be less than 2dB

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 23 JUN 168 <----- Cool! 10M will be open.
> PREDICTED 24 JUN-26 JUN 175/180/180 <-- and it get's better
> 90 DAY MEAN 23 JUN 138 <----- well above average

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 22 JUN 003/004
> ESTIMATED AFR/AP 23 JUN 005/005

> PREDICTED AFR/AP 24 JUN-26 JUN 005/005-015/015-015/015
 ^^^^^^ ^^^^^^ ^^^^^^
 THU FRI FIELD DAY

Remember, this is all science, and a lot of guess work. Many variables that determine the actual outcome. So don't ever let these reports discourage you from getting on the air. At best, use it as a guide for your band plan when operating, and if conditions get a bit rocky, at least you know why.

GL and 72,
Paul NA5N

Date: Thu, 24 Jun 1999 00:19:00 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>
Subject: [43419] FS/TRADE: "The Milliwatt" - Almost Complete Set
Message-ID: <3771B1B4.D1471E5F@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

33 issues of "The Milliwatt: National Journal of QRPp" were published (Feb/70 - Jun/75). This set has 32 "original" issues [see note below]. A photocopy of the missing issue (Vol.1 #4) is provided with the set. They are in good shape - not "dog-ear"ed or musty. The original owner has put some markings (underlining, technical notes) on them, and has numbered the volumes (1-33) in the upper right corner. If you've never browsed through "The milliwatt"s, you're missing out on some fascinating QRP reading (from Ade Weiss, Mike Czuhajewski, etc) that really captures the evolution of QRP.

Will sell the set for best cash offer (over \$US70) or most interesting trade offer (I'm looking for AADE LC meter, TenTec PM-1, or ???). Please email direct with any questions.

72, John VE3JC

Note 1: For "purists": The first 8 issues of "The Milliwatt" that hit the street had a canary card cover, the rest had a darker cover. Ade did at least one subsequent printing of the early volumes using the darker cover. In this set, Vol.1 #1,2,3,5,6 have darker covers, while

vol.2 # 1 & 2 have the canary covers.

Note 2: If you don't want to buy this set but would still like to read "The Milliwatt", the CD containing all volumes is still available (for about \$25, I think). I can dig up the reference in the MI QRP journal, if anyone needs it.

Date: Wed, 23 Jun 1999 23:26:09 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-l@lehigh.edu
Subject: [43420] Carolina Windom Question
Message-ID: <199906240426.XAA15195@sunburst.usd.edu>

Has anyone torn apart the matching that joins feedline to the antenna wires in the Caroline Windom. The dimensions suggest that the vertical radiator section is an electrical quarter-wave on 40m. Since it radiates (supposedly) and a line isolator balun is required, exactly what is being done with the vertical radiator section and the matching unit is a puzzle. Only thing I can figure is that the center conductor of the feedline is connected to the outside of the vertical radiator coax and vice-verse. But who knows? Anyone?

tnx
72, Ade

Date: Thu, 24 Jun 1999 00:44:07 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [43421] W/R antenna Pictures
Message-ID: <19990624.004645.-198053.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Highest Gang and gangets

I have a couple of pictures of my "Baton Rouge" red dowell antenna....
the current one with two twenty meter yagis and one 40mtr yagi....
if someone has a web site they would like to post them I can e mail them
to U or if u want a personal copy I can e-mail the two pictures to u....
with all the viruses going around I didn't want to e-mail them to anyone

without their permission beforehand...

the pictures are kinda light on the wires but do show how I hold up the
dowels and in one u can see where a limb seems like it oughta be there
but isn't.... hee hee

joel kella
in maine
eating gator tail leftovers

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 23 Jun 1999 22:04:22 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43422] QRP baluns revisited...
Message-ID: <199906240502.WAA20583@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Clearly we're not *all* fond of the QRP toroid balun ;) IF
you decide to 'brew one, I'd go with a T-130-2 core and
stay away from the "small donuts." :-))

Yep, there's loss in baluns, but they've often proven
useful to me.... :-))

GL es 72 - Conrad - NN6CW

Date: Thu, 24 Jun 1999 02:10:44 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [43423] Re: Rare Kantronics Receiver
Message-ID: <3.0.32.19990624021041.00709fac@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A>

>> The issue of whether he should have posted an auction notice
>> here or not is an issue of list rules. At the present time I don't

>> think the list has a prohibition against it, maybe Chuck will want to
>> put one in though.
>
>I vote we stop it, cold. I'm a big boy, I know how to
>search the internet, and how to bid on Ebay. I don't need a
>message directing me to the Ebay site, and inviting me to
>enter a bidding war.
>
>Been there, done that, bought the T-shirt.
>
>> I personally can't see the difference between an auction notice and a
>> posting that says I have one for sale. In either case your wallet
>> should be the guide!
>
>You're kidding me, right? He posted:
>
>>Hi Guys;
>>All you portable Qrp fellas might want to check this out, it's a very rare
>>rcvr by Kantronics.
>>Heres the URL with a picture>>
>
>If you can't see the difference, I have a unbuilt 49'er I'll
>sell you for \$20.00.
>
>
>Norm Melick
>
>Thanks Norm!!!
I AGREE!!! Unless it's a Lamborghini for 5 bucks I do not want
to hear about it on this list.
'Nuf sed 72/3/88 Pigboat Pete NV4V vvvvvvvvvvv

Date: Thu, 24 Jun 1999 02:28:36 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu, nwq-1@scn.org
Subject: [43424] BROADBAND COAX FED DIPOLE
Message-ID: <931f1c80.24a32a14@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For both field day and home this looks like a winner. It is a wideband 50/75
ohm coax feed system for low hf band dipoles and vees.

Basically it consists of a 1/2 wave dipole with a feed consisting of a 1/2

Date: Thu, 24 Jun 1999 07:45:53 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43426] Re: BROADBAND COAX FED DIPOLE
Message-ID: <Pine.GS0.4.10.9906240743130.21604-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>
><http://funnelweb.utcc.utk.edu/~cebik/wb.html>

The "funnelweb" part of the URL for my site and its notes may not work forever. It has been removed from active service and may stop functioning. Please revise any bookmarks to the following:
<http://web.utk.edu/~cebik/>. . . <fill in the dots with the index (radio.html) or a specific article. Many thanks for the numerous notices on the site, and I hope it continues to be useful.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\	\	----	/\	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	\	/	/	(FAX)	(423)	974-3509
37938-4443	USA	/	\	\	\				cebik@utk.edu
URL: http://web.utk.edu/~cebik/radio.html									

Date: Thu, 24 Jun 1999 07:56:27 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [43427] Re: QRP baluns revisited...
Message-ID: <37721CEB.1C381581@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There is a section in "W1FB QRP Notebook" on toroid baluns. Pros and cons, and how to wind 'em.
Seems like that book has a little of everything in it. Thanks Doug!

Radman wrote:

>
> Clearly we're not *all* fond of the QRP toroid balun ;) IF
> you decide to 'brew one, I'd go with a T-130-2 core and
> stay away from the "small donuts." :-))

--
72 de KU4QO
Mike Maiorana
Palm Harbor, FL

"Has anyone seen my youthful exuberance? I must have misplaced it."

Date: Thu, 24 Jun 1999 05:26:56 -0700 (PDT)
From: Philip Karras <ke3fl@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [43428] BNC, rubber duck, CB/11-meter?
Message-ID: <19990624122656.16923.rocketmail@web114.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'm trying to locate five (5) CB rubber ducky antennas with BNC connectors for the boys at our church. They need them by July 10. I guess I'll buy them if I have to, borrow would be better unless they are very inexpensive.

Thanks for any help.
72 & 73 de KE3FL
Phil

===

Phil K
home: ke3fl@juno.com
Alt: ke3fl@yahoo.com
Reflectors: ke3fl@arrl.net and ke3fl@qsl.net
Web: <http://www.qsl.net/ke3fl>

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 24 Jun 1999 08:09:06 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <n4bp@bc.seflin.org>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [43429] RE: RS12/13
Message-ID: <000001bebe42\$be39f1a0\$d8016f81@uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

As far as I know RS-13 is still working. I've not heard the beacons on months either. RS-13 is in mode KA which is 2/15 up and 10 down.

Kevin, WB5RUE

```
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Bob Patten
> Sent: Thursday, June 24, 1999 2:20 AM
> To: Low Power Amateur Radio Discussion
> Subject: RS12/13
>
>
> Anybody know the current status of the Russian satellite? I
> was unable
> ...
> Field Day this weekend!
>
>      73,
>      , ' ' ' ,
>      Bob Patten, N4BP      ( 0 0 )
> Plantation, FL
> -----o00o-( )-o00-----
> -----
>
>      E-Mail: n4bp@bc.seflin.org
>      Web Page: http://wg104a.wh.uni-stuttgart.de/~n4bp
>      Brass Pounder BBS: (954) 472-7715
>
>
```

Date: Thu, 24 Jun 1999 07:20:17 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-l@lehigh.edu
Subject: [43430] While we're on the subject...
Message-ID: <199906241412.HAA27233@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

While we're all complaining about what is on the list, I'd like to see the

'best offer' sales stop. Makes it into a silent auction, don't it?
Just name your price, please.

72,73

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Thu, 24 Jun 1999 10:20:06 EDT
From: W1RFI@aol.com
To: qrp-l@lehigh.edu
Subject: [43431] Tuna Tin 2 - last call from West Coast before QRT
Message-ID: <dae67bad.24a39896@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello, all,

I will be back on the air with the Tuna Tin 2 from the East Coast on Monday evening. In the meantime, I have been on from Los Angeles, CA. I want to thank the 25 or so people I have worked from LA for the nice QSOs.

Tonight, Thursday, will be my LAST night from LA; tomorrow morning, I need to sneak back up on the roof and take down the G5RV. I will be operating tonight starting at 0300 UTC or so and will stay on the air until I run out of QRPers. I have had QSOs as far away as VE7 (I got a 219!), so the station works a bit better than just So CA. :-) I hope to work a few more West Coast QRPers before I pack it in. I will mail out all the Tuna Tin 2 Revival certificates when I get back to CT.

73,

Ed Hare, W1RFI/6

Date: Thu, 24 Jun 1999 09:41:06 -0600
From: "David Bixler" <DBIXLER@hs.seneca.k12.mo.us>
To: qrp-l@lehigh.edu
Subject: [43432] NorCal 40A in Europe
Message-ID: <3F10AD90078@hs.seneca.k12.mo.us>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hello folks:

A couple QRP'ers wanted some feedback on how my Wilderness NorCal 40A handled 40 meter SW broadcast signals on my recent trip to Europe. So as promised, here is a short report to the list.

No problems were experienced with this years operation from various hotels in Italy (Rome and Sorrento), Paris and London. Last year (1998), I operated the same rig in Ireland, Wales, Scotland and England also without any SW BC overload or other RFI problems. The 40A makes a good travel rig due to it's small size and low power requirements.

Please note that all operations were with inferior antennas, either a homebrew window mounted whip or a 33 foot wire tossed out the window. Amateur signals were heard easily without any BC interference. It is unknown how the rig would work with a full size "real" antenna and greater signal levels on the input.

By the way, thanks to the Italian PTT, I never received my Italian license, so Italy was SWL only. After my return, I learned that CEPT licensing became a reality 2 days after I left Italy! I attempted QRP operating in Paris and London but no QSO's. Just too tired to stay up all night DX'ing after trying to keep up with 40 high school kids all day. Last year, I had much better success with several good QSO's from Ireland and the UK.

I'm thinking about a different rig for next year's trip to VK and ZL. Maybe a K2 with a few more watts and bands would be nice?

Thanks,

David Bixler W0CH - EI4VVN
Seneca, MO
QRP: Minimum power, maximum fun!
E-Mail: w0ch@arrl.net

Date: Thu, 24 Jun 1999 09:57:58 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: ki7mn@extremezone.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43433] Re: While we're on the subject...
Message-ID: <37724776.F2E24159@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Bob Hightower wrote:

>

> While we're all complaining about what is on the list, I'd like to see the
> 'best offer' sales stop. Makes it into a silent auction, don't it?
> Just name your price, please.

And I would like to see the drawings go. If someone cant check their email during the day that's their hard luck. First reply that you open ought that meets the sale price ought to get the deal.

73 de Dave, N0IT

Date: Thu, 24 Jun 1999 11:05:46 -0400
From: Bob Scott <w4fpj@doubled.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43434] Re: While we're on the subject...
Message-ID: <3772494A.692885ED@doubled.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I do not understand the problem.

If someone lists a price and says firm, that is his price. If he does not say firm, I take it as 'make an offer'. I do the same at hamfests. I do not see why it has to be different here. The object is to sell something and find a new home for it.

73,

Bob
W4FPJ

Date: Thu, 24 Jun 1999 09:09:45 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@lehigh.edu
Subject: [43435] Re: While we're on the subject...
Message-ID: <37724A39.3D348ABE@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

...And don't track mud across my nice clean floor!!!!!!!

-- John A. Evans, N0HJ -- jaevans@codenet.net

Date: Thu, 24 Jun 1999 08:36:59 -0700 (PDT)
From: Stanley Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Subject: [43436] WTD: NorCal K8FF Paddle kit
Message-ID: <Pine.SUN.3.91.990624083539.11928A-100000@crl4.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone buy an extra paddle kit that they will not be using and interested
in selling ? de stan ak0b microres@crl.com

Date: Thu, 24 Jun 1999 08:41:25 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: John Evans - N0HJ <jaevans@codenet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43437] Re: While we're on the subject...
Message-ID: <Pine.BSI.3.96.990624083943.3376C-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 24 Jun 1999, John Evans - N0HJ wrote:

> ...And don't track mud across my nice clean floor!!!!!!!
>

Whatever you say, Lt. Bradshaw.

It had been raining in Los Angeles ever since the top of the
page, and it was a short swim to my convertible....

,-----.
/ What's all this \
/ extinct stuff, anyhow? /
_-----'
_ |/

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer

ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Date: Thu, 24 Jun 1999 11:46:32 EDT
From: ARDUJENSKI@aol.com
To: nwq-1@scn.org, qrp-1@lehigh.edu
Subject: [43438] SEARCH ENGINE SITE
Message-ID: <6b52a48b.24a3acd8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you are like me and get a bit frustrated looking for some information I found something that mabe be of help. It is a site that has search engines and connections to most of the reflectors available...all at one site:
<http://www.qth.com/stamper/search/baf.htm>

Date: Thu, 24 Jun 1999 11:55:34 -0400
From: jim seeber <kw3u@warwick.net>
To: jae@codenet.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43439] Re: While we're on the subject...
Message-ID: <377254F6.53B6B95@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

GOOD thing Field day is almost here - some folk need to
got away from the keyboard and get fresh air...The list is fine
and if something offends , it's only a quick del key and move on.
Now back to packing citronella and brewski's. 73 Jim kw3u

John Evans - N0HJ wrote:

> ...And don't track mud across my nice clean floor!!!!!!
>
> -- John A. Evans, N0HJ -- jaevans@codenet.net

Date: Thu, 24 Jun 1999 11:53:50 EDT
From: N7RI@aol.com
To: qrp-l@lehigh.edu
Subject: [43440] NC20 & FD
Message-ID: <5aaecb6b.24a3ae8e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just a few days ago, I thought it would be impossible to finish the Norcal 20
in time for Field Day. In spite of plenty of help from one of my students
(Reed, KF4ZWJ, who inventoried and sorted 90 % of the kit's parts and built
the audio stages) and my kids Carl and Sarah (who helped wind toroids), it
seemed that Murphy had triumphed.

While troubleshooting the VFO, I ripped out and replaced the J310. The
problem turned out to be a bad VFO coil, wound by yours truly.

"No problem," I told myself. "I'll just order a new J310 online."

Then Murphy's final blow: I lost my wallet. It didn't help that the wallet
was returned almost immediately. No online ordering for me until the credit
cards could be replaced.

I listlessly continued construction. Then came revelation.
Hey! That last J310 is used in the AGC stage. Who needs AGC?
By skipping the AGC stage I'd finish the radio even sooner.

The receiver seemed dead when connected to a chunk of wire on the bench, but
it sprang to life when connected to a real dipole. A little time spent

tweaking the alignment trimmers made a big difference.

Transmit output is a little low -- 3 watts as measured on my WM-2. I think I'll order a load of J310s and install the best one in the VFO.

Transmit offset was set listening to the NC20 in another rig.
Some AGC circuitry is involved in the manual's method for making this adjustment.

There is a very slight "whoop" in the note, which I trust will vanish when Red Hot Radio sends me my replacement 8V regulator.

Field day preparations here at N7RI include slingshot and spinning reel practice in the backyard. Applying skills learned from Fred Turpin, K6MDJ, I launched a sinker over a branch up about 50', then reeled in the support rope. Up went a 20m inverted vee. In the evening hours, log entries were made for YU1PJ, YZ1EW and DF5JT. What a blast!

Memo: Get bug repellant for Field Day.

Now the antenna comes back down for its Field Day trip to the Blue Ridge. I'll throw the WM-20 SSB rig in the bag, too. Then the ZM-1 'tenna tuner and the WM-2 wattmeter, the old Vibroplex paddle and some headphones. Everything snug in my daughter's Tae Kwon Do gym bag. The battery is another story. And the station tent? O.K., this isn't a backpacking expedition. It's Field Day!
Memo: Don't forget the steaks.

72 and hope to hear you during FD,

Ralph N7RI
Charlottesville, VA

Date: Thu, 24 Jun 1999 10:19:58 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@lehigh.edu
Subject: [43441] Re: NC20 & FD
Message-ID: <37725AAE.3D07DBDF@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guess the NC20 users are ready to whoop it up !!!
(Sorry, couldn't resist !!)

john

-- John A. Evans, N0HJ -- jaevans@codenet.net

Date: Thu, 24 Jun 1999 12:26:41 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <ki7mn@extremezone.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [43442] RE: Best Offer/etc.
Message-ID: <005a01bebe5e\$57481e60\$0101010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Bob et al... I don't like "Best Offer" either... BUT there are items for which you simply have no idea what to sell it for. If you exclude such would-be sales, then you get the round-a-bout (and they make me feel a bit stupid asking-but what choice do you have?) version: "Does anybody know what this is worth?" questions, which consume much more bandwidth, and are the result of people being reluctant to just list something for "best offer".

I'd rather see "best offer" allowable, with the understanding-made often, publicly, by list management-that such offers should be limited to unusual items, etc. etc.-and if not unusual, then "What's it worth?" IS a viable alternative, and should be used instead.

Besides which: yes, it IS an auction of sorts, but it does allow people to offer what something is worth to them, and that's not THAT bad a thing. It also helps allow the digest people a shot at things.

If someone abuses that policy, it wouldn't be too difficult to notice and cure.

Personally, I have never sold anything for "best offer"-having always asked what it was worth... but then, I don't really sell very much anyway.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

Date: Thu, 24 Jun 1999 11:34:37 -0500 (CDT)
From: aweiss@usd.edu (Ade Weiss W0RSP)
To: qrp-1@lehigh.edu
Subject: [43443] RE: Cheap Z(unknown) Coax - Fleamarket
Message-ID: <199906241634.LAA03564@sunburst.usd.edu>

Hi gang:

I've been slightly amazed at the thread regarding picking up odd lots of coax at bargain rates without even knowing the impedance of the stuff.

A lot of good technical advice about coax measurements has emerged in the thread.

Forgive me for taking the thread back to the spool and starting from scratch.

(1) Coax is lossy stuff. Regardless of type or Z_c , the dielectric deteriorates with age whether stored in a controlled environment or swinging in the -25-deg breeze.

(2) Impedance bumps, actual Z_c etc are virtually insignificant in the overall context of coax loss-figure.

(3) This is the main consideration: loss.

(4) it is easily measured -- using standard power measurements instruments and techniques such as a wattmeter or r.f. probe and load.

(a) a calibrated dummy load wattmeter is the simplest device and approach. Simply connect the dummy load to the xmtr and measure output level. Then insert the piece of coax between xmtr and dummy load / wattmeter and measure output from the end of the coax. Convert the ratio to dB and you know what kind of coax you have, i.e., power directly to the dummyload/wattmeter, power out at the end of the coax to the dummy load /wattmeter.

Any discontinuities such as impedance bumps etc will produce mismatch and SWR loss on the line and hence are automatically added to the total loss which is being measured.

(b) do the same procedure using a 50-ohm resistor for load and an r.f. probe to do the measurements. Here, take into account that the r.f. probe is either measuring average, peak, or r.m.s. voltage. Use the correct unit and calculate the dB ratio.

What you have is the most significant measure of the value of the coax.

Case in point. As many will remember, the XYL's 12-day trip back in March gave me a narrow temporal window of opportunity to try a pair of phased SLV's on 30m in my quest for DX. 17 radials under each, zeroed in on 10.105 +/-j 5-ohms. I could taste blood! What to use for feedline and phasing line? Great! Here's that really neat piece of light-purple 50-ohm stuff I picked up at a flea market cuz I never saw that color and I love light purple -- what greater

pleasure than knocking off 30m DX with a piece of light-purple coax as phasing line? Compare with the 70ft ended Zepp up 45ft -- zilch! The Zepp overheard everything near and far. Disappointment. Oh well, I better do it right. I then measured the 22-ft of coax and found at 2.1dB loss figure!!! Yep. That just about cancels out the maximum amount of gain that the second vertical was supposed to contribute to the system! The two verticals were hardly better than just one!

Looked around and found some other chunks of fleamarket stuff. Baddddddd. Oddly enough, a fleamarket chunk of Radio Shack RG-8X minifoam that looked pretty beat up turned out to be the lowest loss stuff I had. So, I cut that to 135-deg (the phasing angle), measured several other to find the lowest loss for the 50-ft run from the shack, and went back on the air. Bingo. Now the Zepp was superior on most U.S. stuff except in its east/west null, but the verticals were superior to EU -- their target. Also, even though the f/b at 135-deg leaves a rear lobe of about -6dB, the verticals usually did the west coast better than the Zepp in the null off its end.

So, just by measuring the loss of the fleamarket chunks of coax, I managed to eliminate the loss of about half of the r.f. power going into the system.

Rule of thumb: at fleamarkets, at least KNOW what kind of coax you are buying. Avoid those weird numbers you can't find in the handbook lists although they may be really good stuff. RG-213 is ahead of the pack if still decent shape. RG8x minifoam. Forget the non-foam dielectric stuff -- it is inherently lossier. Next, price. Assume that you'll end up using the hunk as a radial or a grounding strip or garbage-can filler. Go CHEAP. You can buy a 50-ft hunk of RG-8X for \$20 brand new -- with connectors soldered on. To me, that means anything used has to be around \$5-\$6 / 50ft -- if it looks really good and is really nice and really flexible.

So much for my 2-cents.

72, Ade

Date: Thu, 24 Jun 1999 10:50:14 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43444] Re: Best Offer/etc.
Message-ID: <377261C6.3D1357A3@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Rules! We don't need no stinking rules!

Date: Thu, 24 Jun 1999 12:58:06
From: radioham@erols.com
To: qrp-l@Lehigh.EDU
Subject: [43445] QRP ARCI Awards Reminder
Message-ID: <3.0.1.16.19990624125806.3ee7018a@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK folks, FD presents everyone an excellent opportunity to earn some of those neat looking QRP ARCI operating awards. We have that perennial favorite, the 1,000 mile per watt award, followed closely by the QRP WAS, the QRP WAC and the QRP DXCC. Remember, only one of you has to be QRP to earn these awards. There is also the QRP-25 award, earned by working 25 or more QRP ARCI members and getting their membership numbers.

Full details for the program are available at www.qrparci.org. Please take a look and send me your applications - I need to be kept busy in my spare time or I will do something wasteful, like browse the internet. One reminder - I do need to get a copy of a QSL (pleas, no originals) or verifying e-mail for the 1,000 mile per watt award. For the WAS, WAC and DXCC, your list verified by two hams that you have the cards or other proof of contact is fine. For the QRP-25 award, the numbers serve as the validation.

See you on the air.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
Reston, VA

Date: Thu, 24 Jun 1999 10:17:59 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [43446] N7XJ Joins The ARS Sojourner
Message-ID: <19990624171759.25463.rocketmail@web219.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

* * * * *

I am very pleased to announce that Dr. Bob Armstrong, N7XJ, of Manti, UT, has been named a contributing editor to The ARS Sojourner, the Adventure Radio Society's monthly web magazine.

He is no stranger to QRP-L or the QRP community at large.

An avid outdoorsman, QRPer and builder, Bob also brings to the magazine years of experience as a medical doctor. His duties will include writing on issues of health and fitness for radio operators in the field.

Bob, 49, has been a frequent and valued contributor to the magazine and joins a staff of talented writers and editors including Russ Carpenter, AA7QU; Lorraine Aubert, AC6XK; Bill Jones, KD7S; Cam Hartford, N6GA and Charlie Lofgren, W6JJZ.

A more complete look at Bob's background and his photo will appear in the July edition of The ARS Sojourner, which will appear July 8.

We are most fortunate to have a radio amateur of Bob's caliber and experience on our staff. He will add an important dimension to our magazine's coverage and we believe readers will benefit tremendously.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
www.natworld.com/ars

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 24 Jun 1999 13:27:38 -0400
From: "Ed Tanton" <n4xy@att.net>

To: "Antennas Reflector" <antennas@qth.net>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [43447] HyGain DX-77 more ???
Message-ID: <006401bebe66\$dae73640\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Folks... my question about the HyGain DX-77 Off-Center-Fed Windom Vertical got a lot of answers-many thanks to all who replied. I am left, however, with MORE questions. Here goes.

1. The traps should have covers. Is that all the coils/etc. or just the bottom 3? Mine has only the bottom traps covered. My plan is to epoxy coat the others.
2. The 20M "cap" (which I figured was a "real" cap is actually a piece of coax inside a tube. This was a problem area for several people-failing several times. I understand the problem was corrected later on. My ANT's SN is: 95272. Any comments on this?
3. Now for the most important part. The manual implies that perhaps, kinda sorta, the antenna would be most happy mounted 7 feet above the ground. It DOES say you can roof mount it, but the implication within the paragraph is pretty clear about where they think it ought to be mounted. I THINK all of my correspondents mounted their antennas on the ground. Has any one roof mounted theirs? Results? By any chance, has anyone tried BOTH? Results? I have always thought that-with the exception of Beverages, and perhaps certain other ground-effect/travelling wave antennas, one of the inviolate rules (within reason-and maybe not) of antennae was: the higher the better. Comments (specifically related to this antenna)?
4. Finally: while I haven't actually run my amplifier in a pretty good while (except to keep the capacitors happy), I don't like to rule things out. One correspondent mentioned running a full 1500W out into the antenna (I think SSB-but it COULD have been CW.) The "manual" (10pg.) clearly states the power level as: 750W ave. (whatever that means) and 1500W PEP. I THINK "ave." really means CW (surely they don't mean RTTY?)... but most antennas ratings I have seen, usually said: 1500WPEP/CW lumping SSB and CW together. Anybody have specific experiences to relate?

My inclination is to mount the antenna in the air, and not get frisky about turning on the amp-which isn't a problem these days. My max power would never be above 100W (when I get my HT-19 running, and on, that 4-65 MIGHT run a bit more, but nothing life-threatening to the ant.)

Also, for anybody else who has one, and has never put it up: it (virtually) MUST be guyed about 1/3 from the top. Several (more than 3) respondents had DX-77s that bent over at the base (and 1 elsewhere) due to just plain wind (<35mph in 1 case) or combinations of some wind and ice. I plan to use UV-Resistant Dacron.

Thanks to the guys who responded, and for the read.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

Date: Thu, 24 Jun 1999 12:34:54 -0500
From: "Nathan Gordon" <nathang@bigfoot.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [43448] Re: Inappropriate Messages
Message-ID: <011a01bebe68\$0e25ff40\$0401a8c0@ramphome.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Maybe I'm stupid, but I thought it was in jest. Lighten up everybody!

73, Nathan KF9LI

----- Original Message -----
From: Samuel A. Falvo II <kc5tja@dolphin.openprojects.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Sent: Wednesday, June 23, 1999 7:44 PM
Subject: Inappropriate Messages

> Extra before the FCC makes changes? Oh it's just so, oh,
un-League like.
> You are just not being a nice amateur. Help the hobby stagnate
and put off
> that upgrade! You are disappointing the amateur equipment
industry and
> proving the League wrong!

I'm sorry, but I did ***NOT*** subscribe to this mailing list to read such utter diatribe as this. Before you go spouting off at the keyboard, why

don't you cool down a bit, eh?

> No flame suit, I'm already hot,

There's your problem. Had this been in jest, I wouldn't have responded.

But as you yourself admit, this message is in anger. Frankly, I think it's

high time for you to post an apology to the list at large.

```
=====
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA
|.....
```

Date: Thu, 24 Jun 1999 17:55:07 +0000
From: Brian Short <bshort@speedchoice.com>
To: qrp-l@Lehigh.EDU
Subject: [43449] Re: Best Offer/etc.
Message-ID: <4.1.19990624174809.00b9edf0@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I agree.

>Rules! We don't need no stinking rules!

I usually don't post items for sale here anyway as
rec.radio.swap works quite well, thank you.

But,,, it is hardly appropriate to tell others what to
do with their personal property or how they may sell
it.

On the other hand, I dislike making blind offers on
equipment in a (faux) competitive bidding circumstance.

I suppose the answer is, of course, that if as a buyer you
don't like "best offer" deals, don't buy them.

Perhaps there should be a rule against this meta-discussion!

73, Brian

--

Brian K. Short <http://www.qex.net/k7on/> <mailto:k7on@arrl.net>

--

Date: Thu, 24 Jun 1999 13:59:31 -0400
From: Tim <drboom@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [43450] laptop pwr supply
Message-ID: <37727203.387DE704@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello gang,

Sri this isn't totally QRP, but I could use your expertise. I want to run my laptop from a dc to ac inverter, since I have no 12 volt cord for it. My question is this:
will the inverter cause any problems for the computer as far as not being a true ac sine wave, can it hurt the laptop in any way?

I will be using solar panels and a charge controller to charge the battery, and also my sierra qrp rig, do you think the inverter will cause an excess load on the battery (Deep Cycle Marine)?

Thanks to all in advance...

Tim NM8Y

Date: Thu, 24 Jun 1999 13:59:49 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-1@lehigh.edu>
Cc: "wa8mcq" <wa8mcq@erols.com>
Subject: [43451] Info needed on HM9 QRP SWR meter
Message-ID: <199906241801.0AA15148@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Jeff Grudin asked for a manual on this rig and I told him that I had a copy sent to me by someone asking for help on his, and it turns out they both have the same problem: the meters they picked up are for VHF and they want to modify them for HF.

During construction, the builder had to decide if the unit was to be used for HF, 6M or 2M. Depending on their choice, they had to install one of two prewound toroids, as well as a different set of resistors and capacitors for each frequency. The R's and C's are no problem (aside from the fact that they're specified as 1% resistors in the manual, but values are given for all), but the toroid isn't specified. The manual gives the inductance of both toroids as well as the Heath part number, but no clues as to the physical size, type of material or number of turns. (Needless to say, neither of their units appears to have had the unused toroid taped inside the cabinet by the builder!)

Here's what I'd like to know from someone who has one of these (which is the small, brown low power SWR/wattmeter originally sold as an accessory for the HW-9)--approximately how large is the toroid, and how many turns of wire does it have on it? (Knowing the inductance already, it will be easy to figure out what type of core material to use once I know the physical size and number of turns.)

Here's a clue to tell if your HM-9 is built for VHF or HF--for VHF, a wire makes one pass through the center of the toroid, carrying the signal in and out. For HF, that wire makes a couple of loops instead of a single pass.

If anyone can give me this info, there are three of us who will greatly appreciate it.

73 and queue our pea DE WA8MCQ

PS--you might want to check out the QRP ARCI web page if you haven't seen it for a while. It's had some work done on it. www.qrparci.org

Date: Thu, 24 Jun 1999 11:24:32 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@Lehigh.edu
Subject: [43452] San Fernando Valley(CA) ARC, W6SD
Message-ID: <19990624.113302.-370329.1.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Visitors, operators and supervisors are welcome to our FD site at the Boeing Recreational Center, close to the corners of Roscoe and Fallbrook St. We will be there from 8AM Sat. morning. Everyone welcome, free soft drinks/coffee. Pot luck dinner at 6PM Saturday.

Marv Fagenson
k6hcj@Juno.com

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Date: Thu, 24 Jun 1999 11:32:57 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@Lehigh.edu
Subject: [43453] NC 20 in LA/Org counties
Message-ID: <19990624.113302.-370329.2.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My NC 20 is up and running. I would like to meet with and compare notes w/ other builders in L.A./Org. county. I'm in San Fernando Valley and I'm in the fone book or respond privately here, please.
Mil Gracias to the NorCal folks and Dave, AD6A and your development team for a terrific kit!

Marv Fagenson
k6hcj@Juno.com

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Date: Thu, 24 Jun 1999 13:34:29 -0500
From: "Lynn Geitgey" <lgeitgey@kumc.edu>
To: qrp-1@lehigh.edu
Subject: [43454] PCB CAD pgm (Not QRL exactly, but could be.)
Message-ID: <s772340a.018@kumc.edu>
Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Hi Gang,

Just ran across this in an e-mail, and thought you might be interested.

Target 2001! v8.0.3.79 -- Win9x
Target 2001! is a schematic and PCB (printed circuit board) CAD program which, in the freeware version, can create the schematics for PCBs up to 100x160mm in size with up to 3,000 data elements. This size should be = large enough for most home use and also for creating test PCBs. Target 2001! features a big electronic components library, autoplacer, autorouter, DRC, EMC, PSpice compatible simulator, etc. It is a terrific program which is very easy to use -- just drag 'n drop to place elements on your board. The whole program is very sophisticated and you can even get your PCBs printed professionally using the Target 2001! files you create. If you ever have a need to create PCBs -- either one offs or in the millions -- then Target 2001! is for you. Access this 1.98MB download from:

http://www.CompletelyFreeSoftware.com/graphics_programs_w95.html#discov32=
=20

Lynn Geitgey
Remote Access Specialist
University of Kansas Medical Center
Kansas City, KS
Phone: 913-588-7995
Fax: 913-588-4810
E-Mail: lgeitgey@kumc.edu

Date: Thu, 24 Jun 1999 14:34:07 EDT
From: FrConrad@aol.com
To: qrp-1@lehigh.edu
Subject: [43455] Inquiry about Mexican ham license
Message-ID: <6b5278ed.24a3d41f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

O Wise and learned ones,

I'm planning on operating the ARS Flight of the Bumblebees from an island off shore in Nayarit, Mexico, and it seems to me that a licensed US Ham can get a Mexican call sign for the asking.

Can anyone steer me to a link/URL/Info on this?

Muchas Gracias,

John+
WB6MFS

Date: Thu, 24 Jun 1999 11:43:23 -0800
From: "Dan Hogan" <dhhogan@nav.cnchost.com>
To: qrp-l@Lehigh.EDU
Subject: [43456] Re: Best Offer/etc.
Message-ID: <199906241838.0AA23372@devonshire.cnchost.com>

People:

We are guests on this list, and the list is a *GUEST* on the server, "Lehigh.edu". So limitations will apply. Non-commercial mail list are operated (read owned) by volunteers. Therefore the list owners word is final. I have NEVER had a quarrel with the way QRP-L is run. It is one of the most enjoyable list existing.

>

>Rules! We don't need no stinking rules!

>

Dan Hogan WA6PBY
West Covina, CA
QRP-L #558

Date: Thu, 24 Jun 1999 14:11:25 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [43457] 20W linear, more kits a go
Message-ID: <199906241857.0AA14862@moose.ncia.net>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Howdy,

Definalty enough people want one of these "qrp kickers" to justify another run. Will wait until Monday to order the parts in case a few more want to jump on board.

Thanks,

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Thu, 24 Jun 1999 13:59:09 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: mitch96@pobox.com
Cc: qrp-1@lehigh.edu
Subject: [43458] Re: The Bencher "Mercury" Paddle at Dayton
Message-ID: <E10xDca-0007QK-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

This will be the only time (I hope that I copy an entire message back to the group in a response to same).

Mitch et.al., could this be the same paddle that Doug was talking about picking up on his trip to the New England area????? Sounds like it.

And why did he come in third?

While we are on the topic of paddles.....

I have seen the best and ordered one. Film at 11. I won't brag on it yet until I get mine 'cuz I know how this group is. Get your checkbook out.... :-)

dit dit

On 22 Jun 99, at 20:22, The one and only! wrote:

>
>
> Jerry Henshaw wrote:
> >
> > I would strongly recommend a strong look at the Hensley, WBL, Kent,
> > Schurr, etc. before making a final decision. Bencher comes close but
> > no cigar.
>
> Jerry, You neglected to mention the gentleman, kg2ed Richard Stamile
> that came third in the competition at Dayton. His prototype Merc paddle
> was every bit as immaculate as the N2dan paddle, and to this neophyte hi
> speed op, played just as well. No swerls, hi luster and the "merc man"
> seemed to jump out of the chrome at you. Im on the list for one as soon
> as his production jigs are ready.
>
> mitch Ww4mL
> Hollywood, Fla.
>

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Thu, 24 Jun 1999 19:00:51 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [43459] Radio Operator's coloring book
Message-ID: <37728063.5840@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks, it's not Friday but I couldn't wait. All I hinted on for a Father's Day gift was an assortment of pencils, crayons, pastels, and markers in various colors. This young artists' kit, long given to my children over the years, was in secret, what I had always wanted. I am ecstatic now that I have one.

You see, when I study my radio electronics books I fully engulf myself in the joy of learning. It began with the yellow, orange, and green highlighters. I'd color in the balun windings inside the text books or photocopy articles I had run off. Complex wiring harnesses in the car service

manuals were great fun as well. Then they came in color so I returned to my ARRL Radio Amateurs' Handbook.

It seems I have never rushed to just read technical subjects. Instead, I have strived to slowly digest them -- lavishing in the permanent etching of the concepts in the crevices of the brain. Artly coloring in all the wires and shading the hardware etc. I found that some print-thru occurs with highlighters and now reserve those for thicker papered books or photocopies.

Perhaps this is an extension of my youth where I found coloring books great for passing the time. Now I see that not only is it relaxing to color in the drawings of technical texts, learning is more enjoyable and much clearer.

Additionally, one no longer needs a bookmark. Just pick up where the last mundane drawing exists and colorize it. You'll always know where you've been and upon review, is much easier to identify those areas in the drawing that are referred to. Especially easy is locating the items referred to in a photograph. I'd only color these parts specifically. Automobile service manuals are notorious for using the same engine photo over again, just adding arrows to point at the components of interest. These arrows get the highlighter and the components get colored.

The learning is fun. You know where you've been. You know where you need to go.

And what you don't know is in black and white.

72, Ed WE6W

--

-Ed AR Millennium Q's=>700/2000 QRP-L#1068
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 NC#2227 ARCI#9397 ARS#275

Date: Thu, 24 Jun 1999 14:35:19 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: drboom@bright.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43460] Re: laptop pwr supply
Message-ID: <37728877.62749D3D@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have used a Radio Shack small inverter to run my laptop with no problems. However, before doing so, I fired up the inverter, loaded it with a 100-watt bulb and checked voltage, etc. loaded and unloaded and finally examined the output voltage waveform - again loaded and unloaded - with a scope. Everything looked acceptable so I then hooked up the laptop.

I suggest that you test things out thoroughly with a light-bulb load before risking your computer. But, based on my experience, you will probably come out ok.

One precaution: you must use a True RMS meter to read the a-c output voltage since it is very likely to be a stepped square wave trying to be a sinewave, and the peak, average and rms values are not the same as for a sine wave. Thus, conventional VOM-type a-c meters will not read correctly.

Re loading your battery, again test by measuring the d-c input current with the output loaded and unloaded to get an idea of what the idle and load currents on the battery will be.

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Tim wrote:

>
> Hello gang,
>
> Sri this isn't totally QRP, but I could use your expertise. I want to
> run my laptop from a dc to ac inverter, since I have no 12 volt cord for
> it. My question is this:
> will the inverter cause any problems for the computer as far as not
> being a true ac sine wave, can it hurt the laptop in any way?

Date: Thu, 24 Jun 1999 15:43:59 -0400
From: Tim <drboom@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [43461] RE: Laptop Pwr Supply
Message-ID: <37728A7F.48DE7F9E@bright.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my laptop and inverter question.

This is truly a great and diverse group.
72,
Tim NM8Y

Date: Thu, 24 Jun 1999 14:42:08 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [43462] F/S Items on QRP-L
Message-ID: <E10xEI7-00018M-00@pop3.ticnet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

OK, these are my thoughts on the topic of F/S (For Sale)
items on QRP-L.

1. Commercial vendors are restricted to one posting per month. For obvious reasons..... This group is not interested in a whole lot of commercial messages and I just don't want any abuse of the group at large. This is not restriction of trade etc. It is just to make a vendor think before posting. No string it out with one message per item over a period of time. Numerous postings from the same vendor or individual does get old in a hurry. This is not a bulletin board at the supermarket or flea market or the for sale section of your local newspaper.
2. For personal items, QRP related, for sale. Please post a price (you can denote firm, negotiable, swap, etc.) but please do not post "best offer" deals. If you want a bidding war, take it elsewhere, please. You can set the price at what you think it should be. But if you set it higher than the original retail price you can

expect some nasty-grams from those who think that you shouldn't be doing that. The net-police are alive and well everywhere. Just ignore them if you can. But if you don't get any takers on your price and decide to lower it, please wait 14 days. This does two things. Give some people time to consider your original price and it keeps the rest of us from seeing daily messages as the price comes down.....

How would this group like it if I personally put the Mercury Paddle, #300, up for sale to the highest bidder? I thought so. So don't anyone else act in a similar manner. If you want bidding wars, then you know where www.ebay.com is.... NO. The Mercury is not for sale so no email requests desired. :-) ;-)

And I don't think a follow up "item is sold" is needed. We all know that just about any item reasonably priced goes in about 30 minutes or less. I know it may be a burden to answer 300 emails individually, but you knew what was going to happen.

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Thu, 24 Jun 1999 10:52:26 -0500
From: "Mark A. Andrews" <KE4IOF@HiWAAY.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43463] Re: While we're on the subject...
Message-ID: <003001bebe59\$8f60b8c0\$ce5305c6@netdoor.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

No offense guys, but is this really a big deal? If you don't agree with the way someone is selling something I suggest that you don't participate in the process; delete the offending message and get on with your life.

Mark

(PwrS)===(Diode1)=+=====+(Rig)
+--(10hm10W Resitor)=(Batt)=(Diode2)+

Diode 1 is to block current from entering the power supply during a power failure. The 1 Ohm 10W Resistor is to limit the current used to recharge the battery, and Diode 2 is to prevent current from bypassing the resistors.

The problem is that I can't find any diodes that can handle 25A. I tried a Brige rectifier rated at 25A, but it has a forward voltage drop of 1.7 volts. No problem from the power supply, but a big problem from the batt. The batteries' voltage should drop to 12.5 after the charging current is removed. So, after the 1.7 volt drop, I get 10.8 volts to the rig!

Anyone have ideas? Thanks!

72 Dan Hanson KQ6YI@hotmail.com Previously: KD6RXZ Fullerton, CA

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Thu, 24 Jun 1999 13:55:17 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-l@lehigh.edu
Subject: [43466] RE: Laptop Battery
Message-ID: <37729B35.BE63462C@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you are getting one of these to use with a laptop to log with, be sure to try it out first. They are usually quite RF noisy and may preclude their use with your QRP rig.

--

73 de AC6KW <<mailto:grudin@vdbs.com>>
Jeff Grudin, DVM Web Add: <http://www.vdbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Thu, 24 Jun 1999 16:07:24 -0500

From: Jim Ek <JIM-EK@worldnet.att.net>
To: "'Low Power Amateur Radio'" <qrp-1@Lehigh.EDU>
Subject: [43467] Pixie 2 & Archives
Message-ID: <01BEBE5B.A7DE07C0@26.indianapolis-08-09rs.in.dial-access.att.net>

The time might be here.

I've learned three letters in Morse Code and will be starting a class next Thursday for the Novice and Technicians license. That class will meet for a couple of months at the rate of one night per week.

Now is the time to start thinking about getting a radio to see if I will actually enjoy this hobbie. I am looking forward to field day this weekend.

For a little background information on my knowledge of electronics. Easily put...."Don't grip the hot end of the soldering iron." End of my knowledge of electronics.

Considering purchasing a Pixie 2 kit from E-etc. Cost is \$16.95 I think. Has anyone put one of these kits together.....together successfully? I have hand tools, I can purchase a soldering iron. Will I need anything else in the way of meters or whatever?

Someone posted some questions on the group about alignment... I don't know what alignment is, does this kit need to be aligned.

Heard something about tuners. I think that a tuner is in regards to antennas. Do I need a antenna tuner for this radio?

Also.....I tried downloading some files on the Pixie 2 from the archives. The text files have a "z" suffix. When I finished downloading the "z" suffix had disappeared. Anyhow I can't open the files. I am using Windows 95. Can anyone tell me what I should be doing to download these correctly. When I tried to open the files I got the message "incompatible format." When I specified ASCII DOS just got gibberish.

Additional info.....

I have attended one meeting of the local amatuer radio club here in Bloomington, IN.

I am going to attend field day this weekend.

I'm not kidding about my total lack of knowledge when it comes to electronics.

If this is being posted to the wrong list please let me know.

I hate to presume on an Elmer's time, providing I can find an Elmer, because I am such a complete neophyte in this area.

Thanks,
Jim Ek

Date: Thu, 24 Jun 1999 17:49:49 -0400
From: "W. K. Hibbert" <wb2vuo@juno.com>
To: qrp-l@lehigh.edu
Subject: [43468] Inverters and Laptops
Message-ID: <19990624.174950.-5817.2.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It's too late now, but last month the local Office Max had a 50 watt inverter which was listed on sale for \$29. It was advertised as a perfect solution for running your laptop in your car or RV, sinewave output (115VAC) and capable of running small appliances (100 watt starting surge)

Something similar may be in your local Target/Kmart/Walmart/BJ's/Staples/Office Depot/OfficeMax or whatever. Check your local papers for local outlets...

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp
My night light runs more power than my Rig!!!

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 24 Jun 1999 17:05:45 -0500
From: "Chuck Adams K5FO" <adams@ticnet.com>
To: qrp-l@lehigh.edu
Subject: [43469] Third Place
Message-ID: <E10xGX6-0005Zb-00@pop3.ticnet.com>
MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Gang,

I got an email that clarified things up a bit and so wanted to follow up to the group at large.

In reference to the question on why third place? I was thinking at the time that the only competition was paddles.... That's what I get for going through 400 emails all in one sitting.... My mistake.

There was other rigs and equipment in competition, so now I understand. It was not an issue with the paddles but the stiff competition with other fantastic work. It is unfortunate that due to the history of competition in the world that we have a first, second, third, etc. Every year there is a team that wins the final round of competition and the team that they beat wasn't that bad. Remember they beat all the other teams in the league(s).

So I don't want anyone to think that my question was a put down or meant to be so in any way....
I can't wait to see one in real life.

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

Date: Thu, 24 Jun 1999 17:49:39 -0500
From: Goemans <jgoemans@facstaff.wisc.edu>
To: adams@ticnet.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [43470] Re: The Bencher "Mercury" Paddle at Dayton
Message-ID: <3.0.2.32.19990624174939.006d0cac@facstaff.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:59 PM 6/24/99 -0500, Chuck Adams K5FO wrote:

>

>
>This will be the only time (I hope that I copy an entire message
>back to the group in a response to same).
>
>Mitch et.al., could this be the same paddle that Doug was talking
>about picking up on his trip to the New England area????? Sounds
>like it.
>
>And why did he come in third?
>
>While we are on the topic of paddles.....
>
>I have seen the best and ordered one. Film at 11. I won't
>brag on it yet until I get mine 'cuz I know how this group is.
>Get your checkbook out.... :-)

Chuck,
Would that be a "Texas-size" checkbook??? :-) :-) :-)

72, Paul

Paul Goemans WA9PWP
1508 Sundt Lane Stoughton, Wi 53589

End of QRP-L Digest 1498

